

FIG. 1

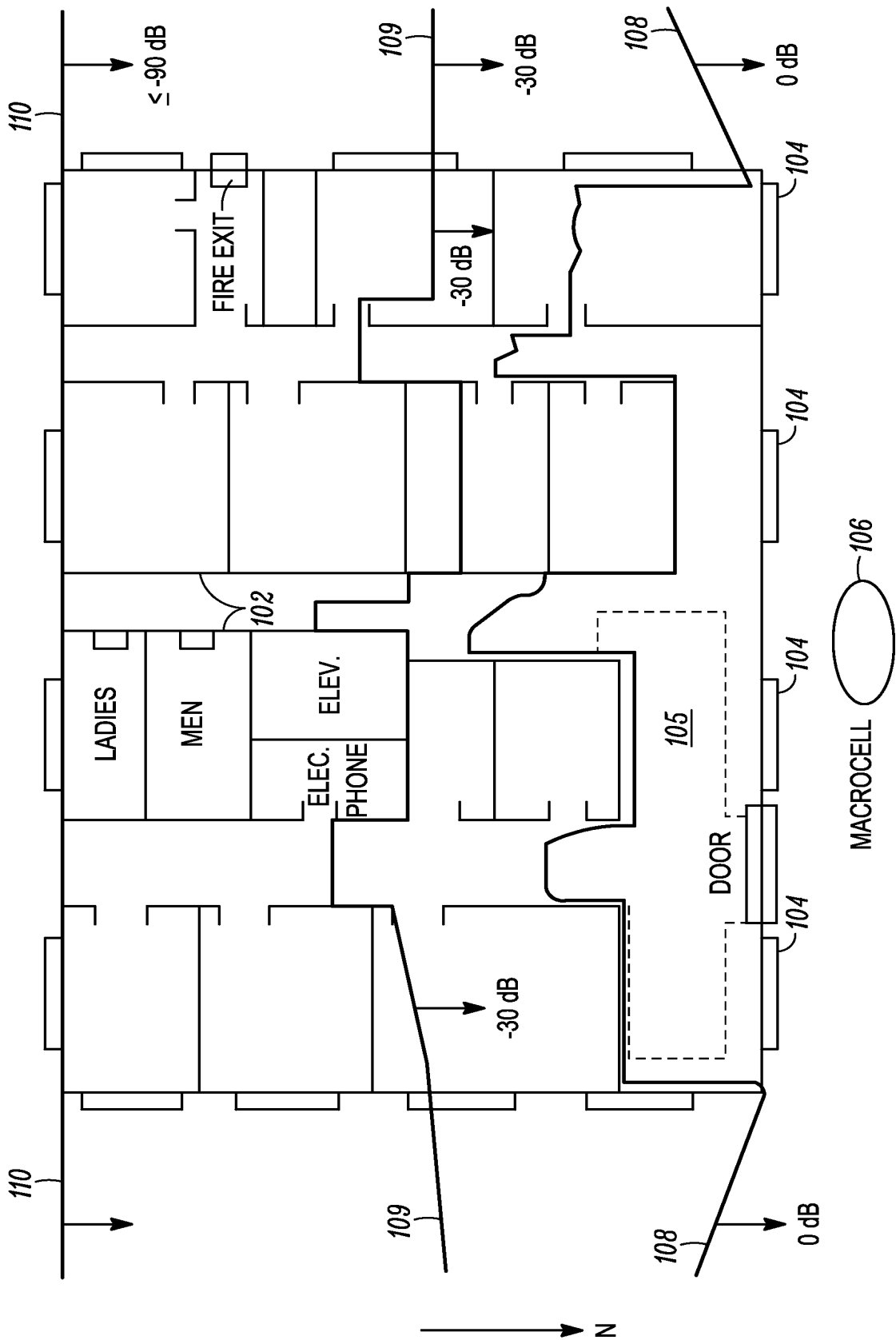
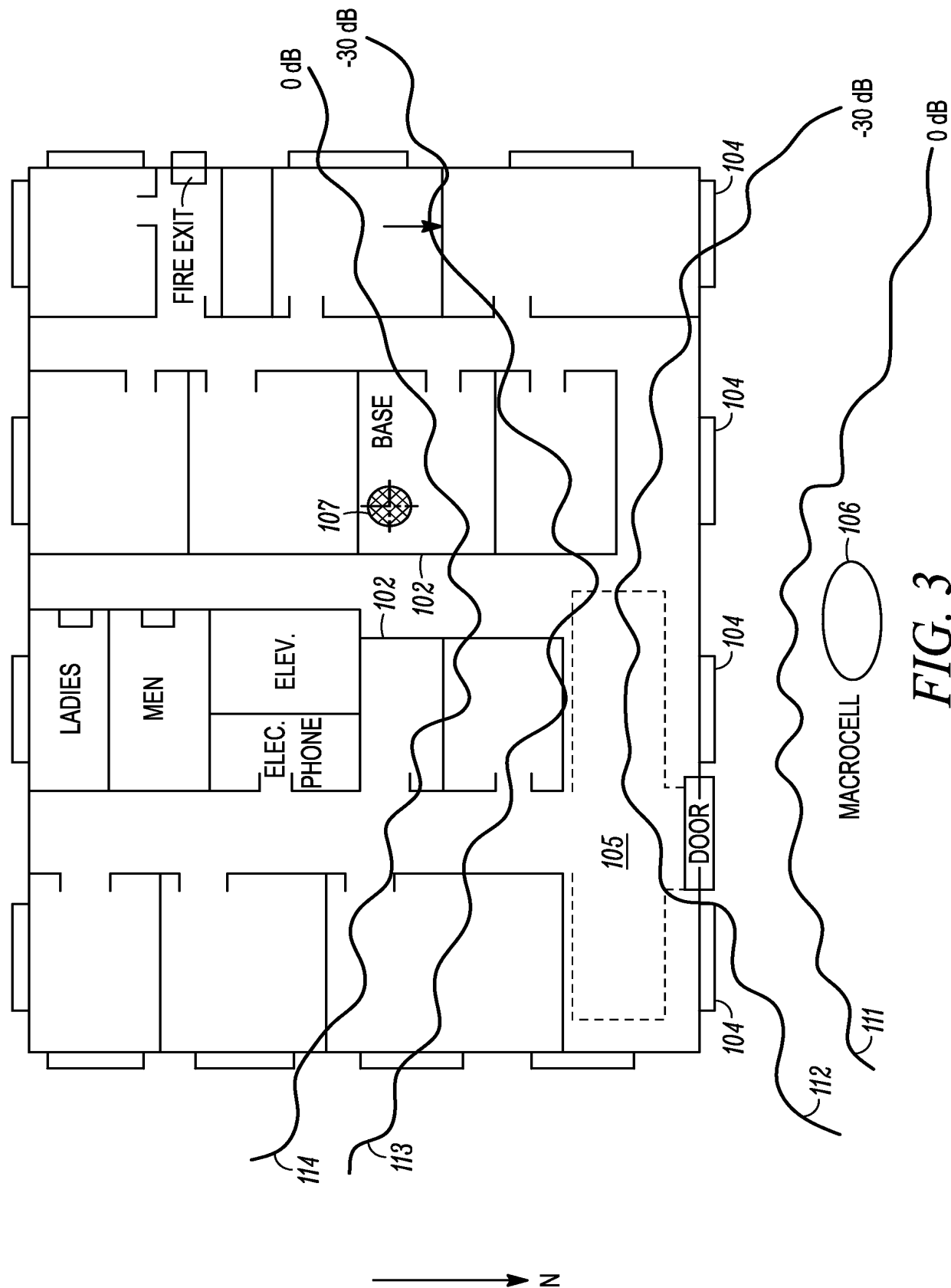
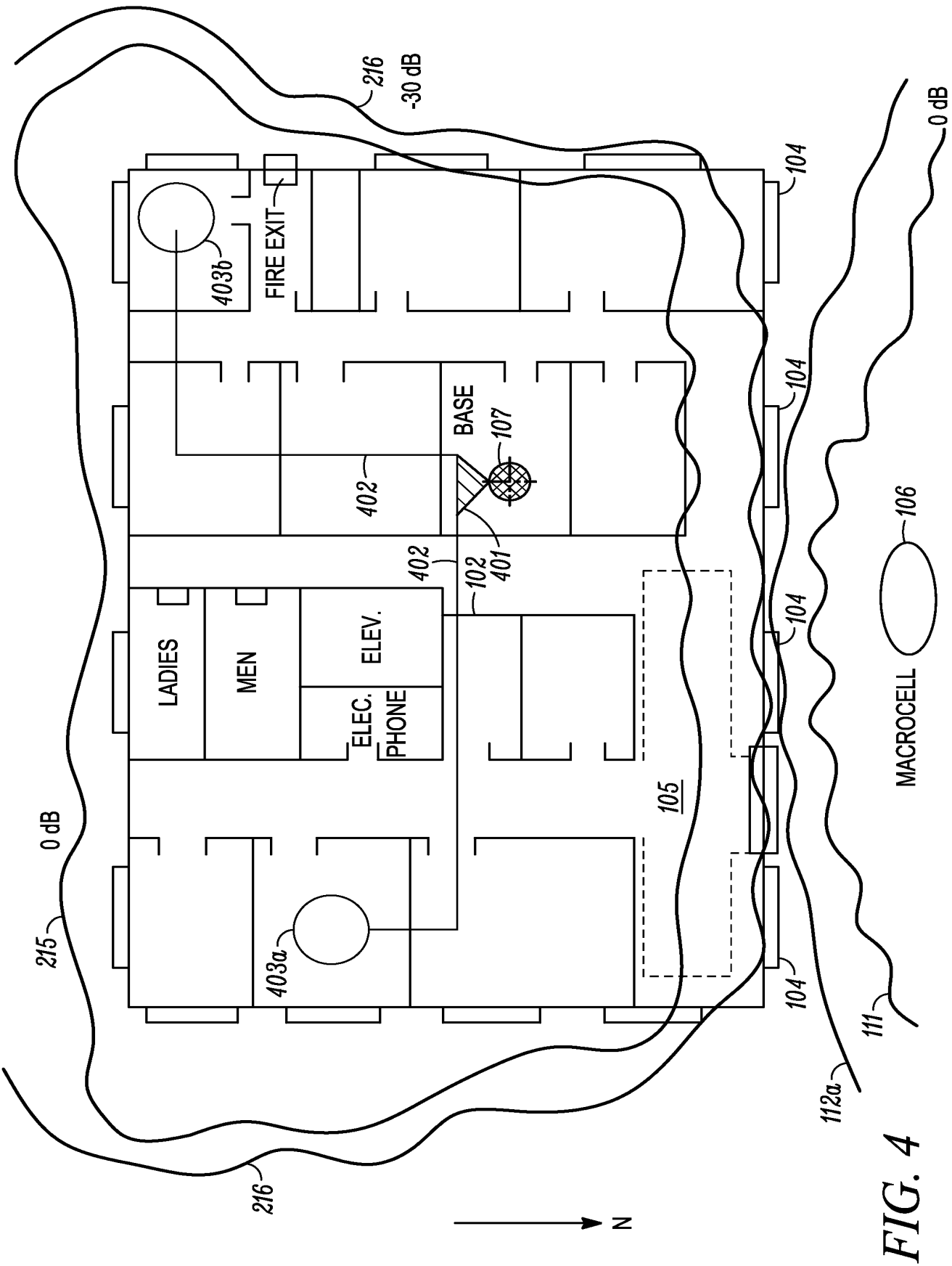


FIG. 2





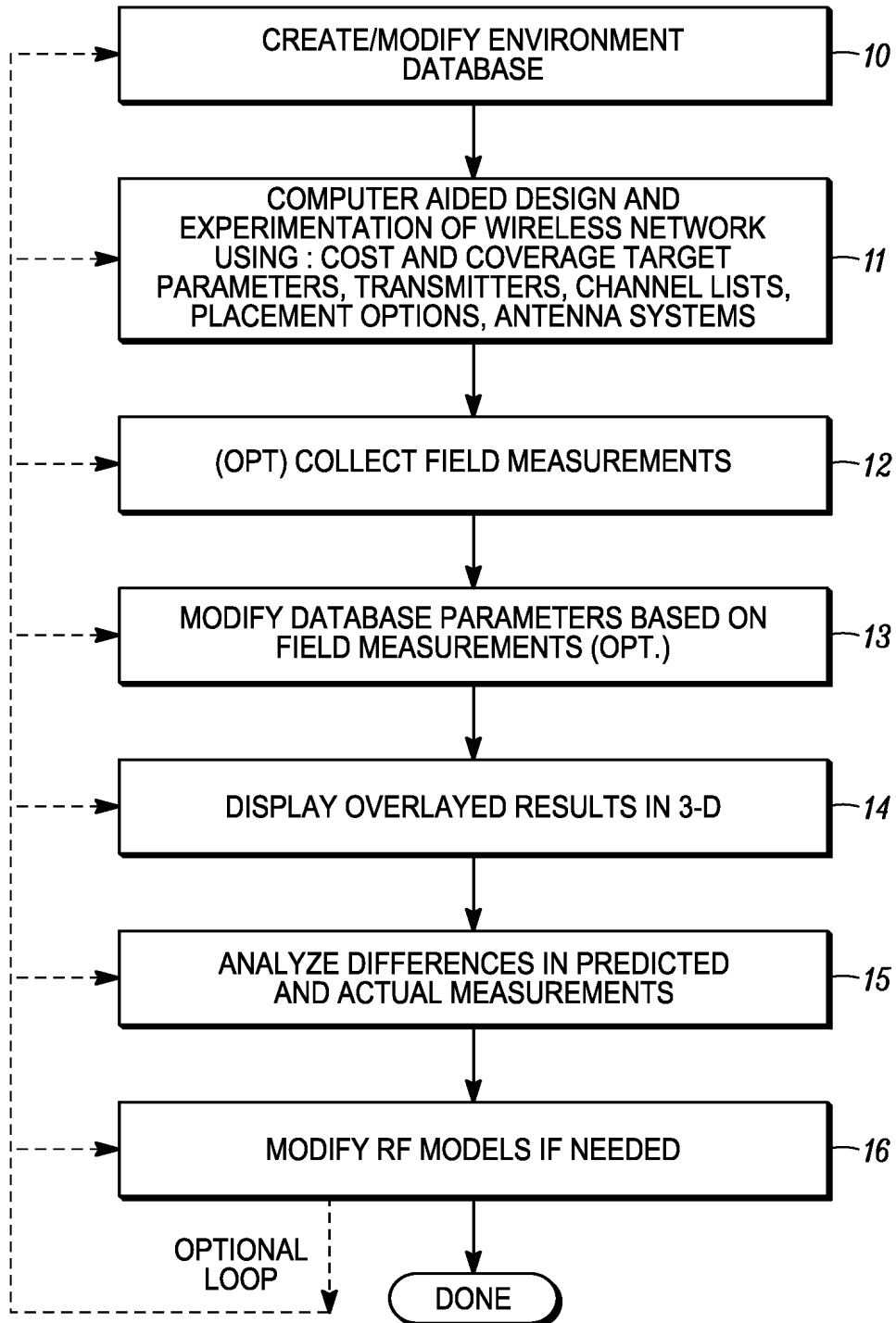
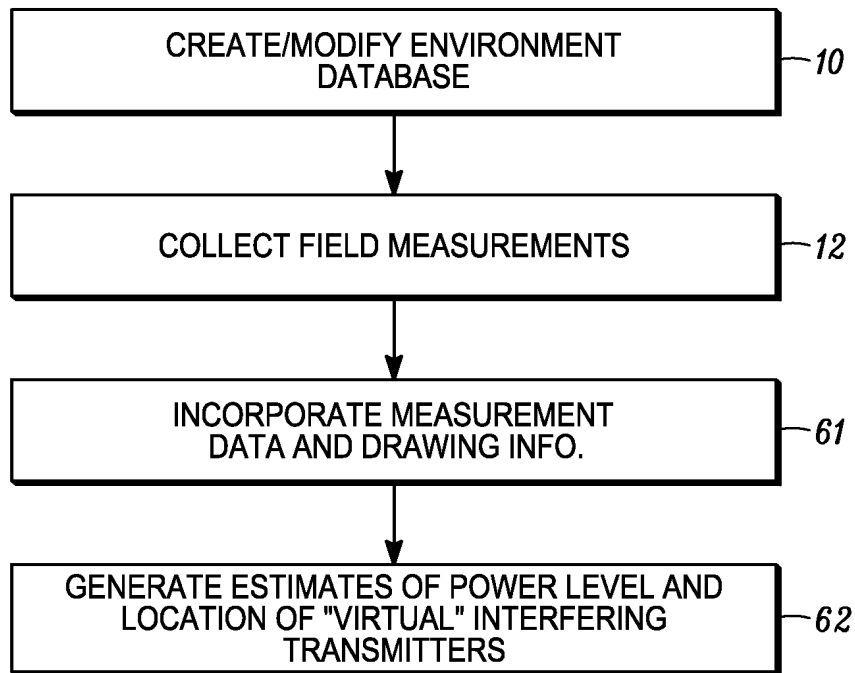
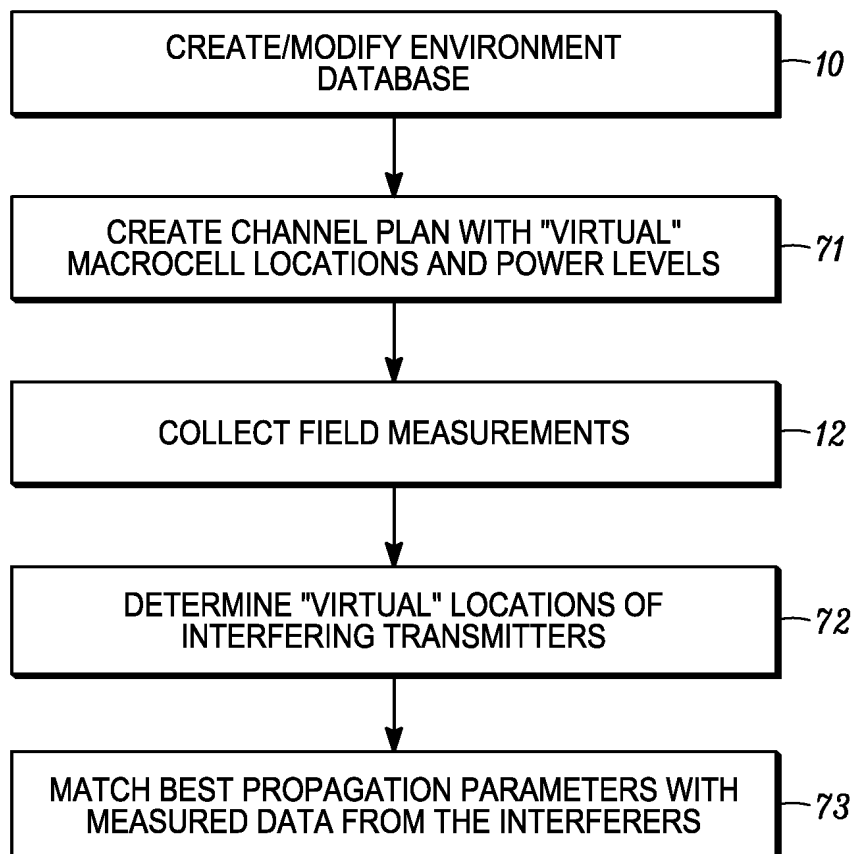


FIG. 5

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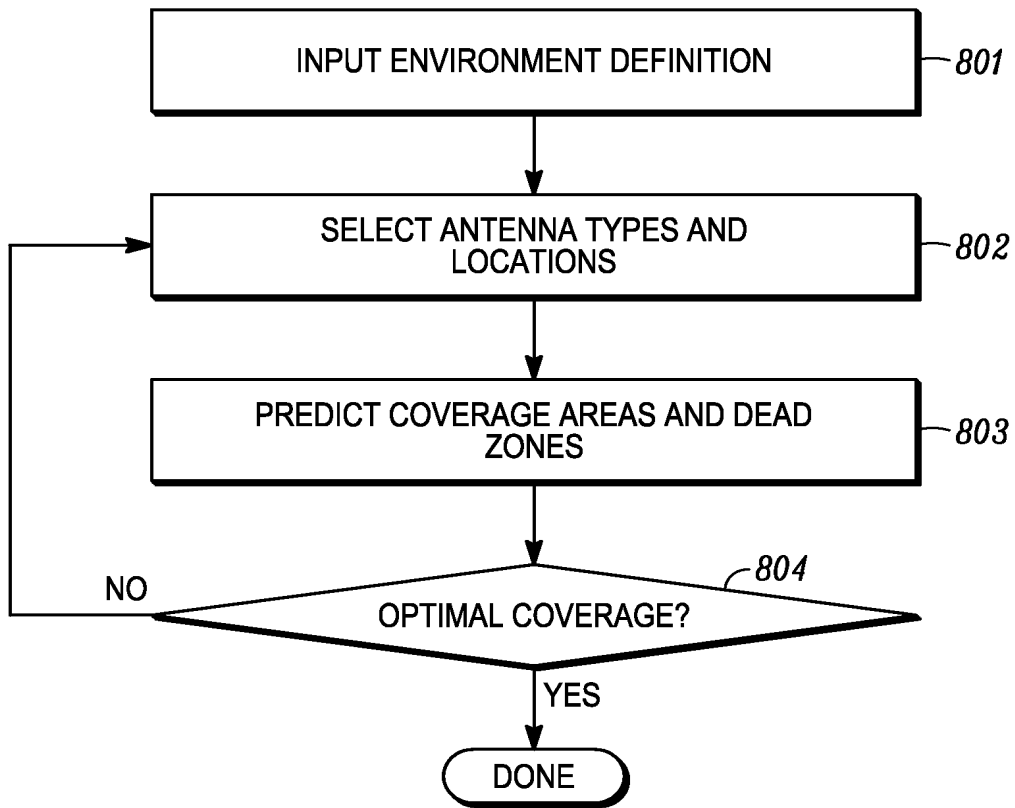


**FIG. 6**

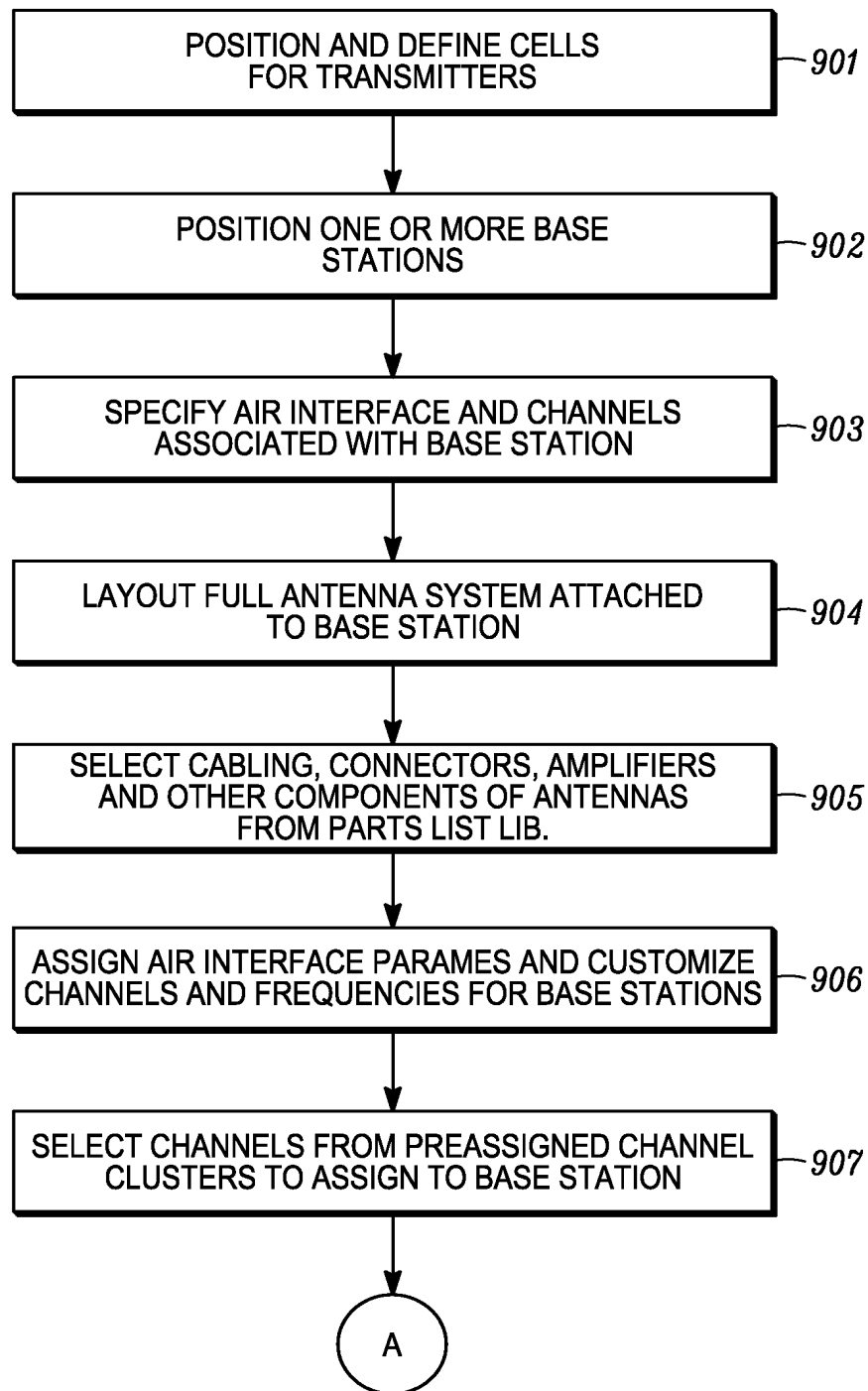


**FIG. 7**

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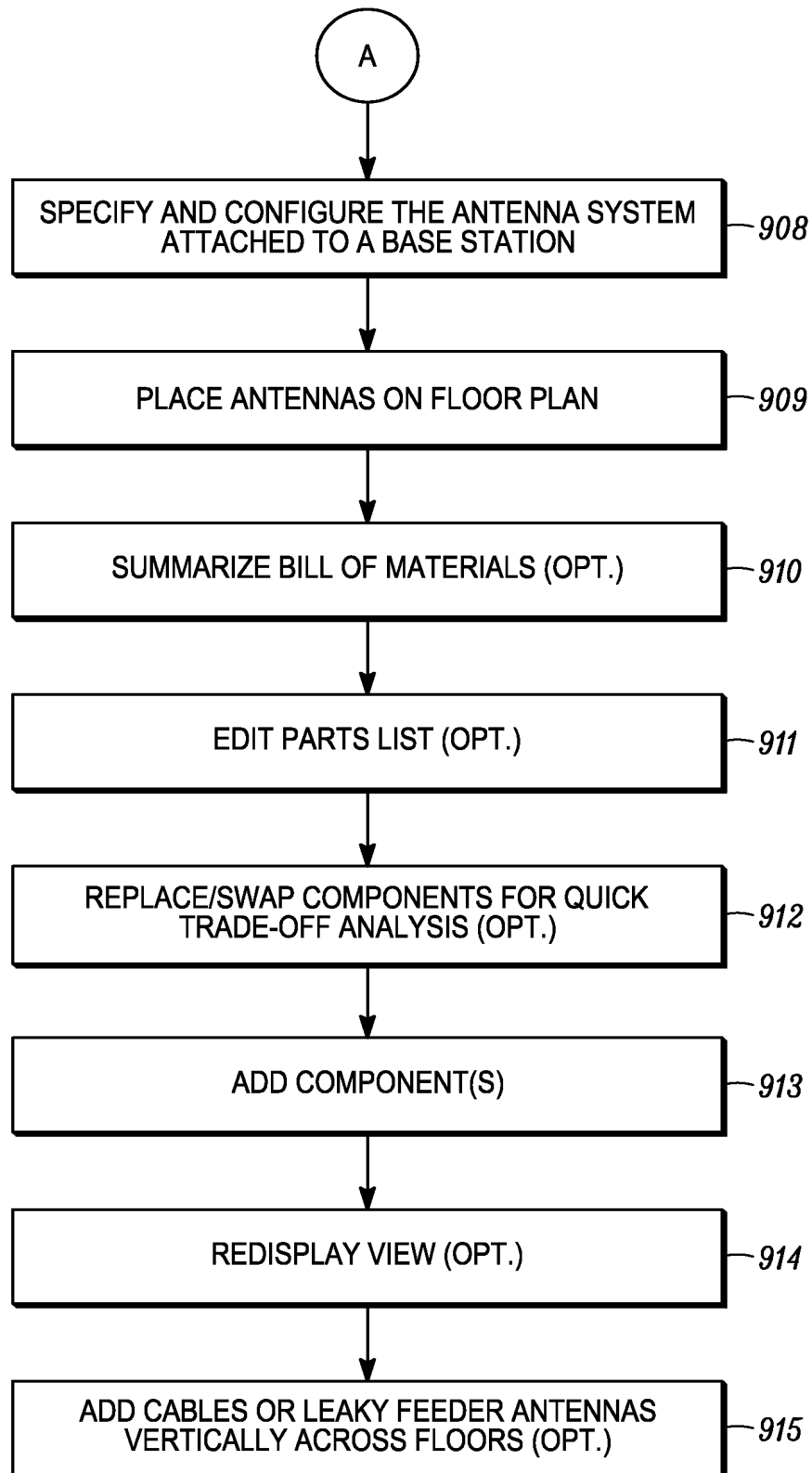
**FIG. 8**



*FIG. 9A*

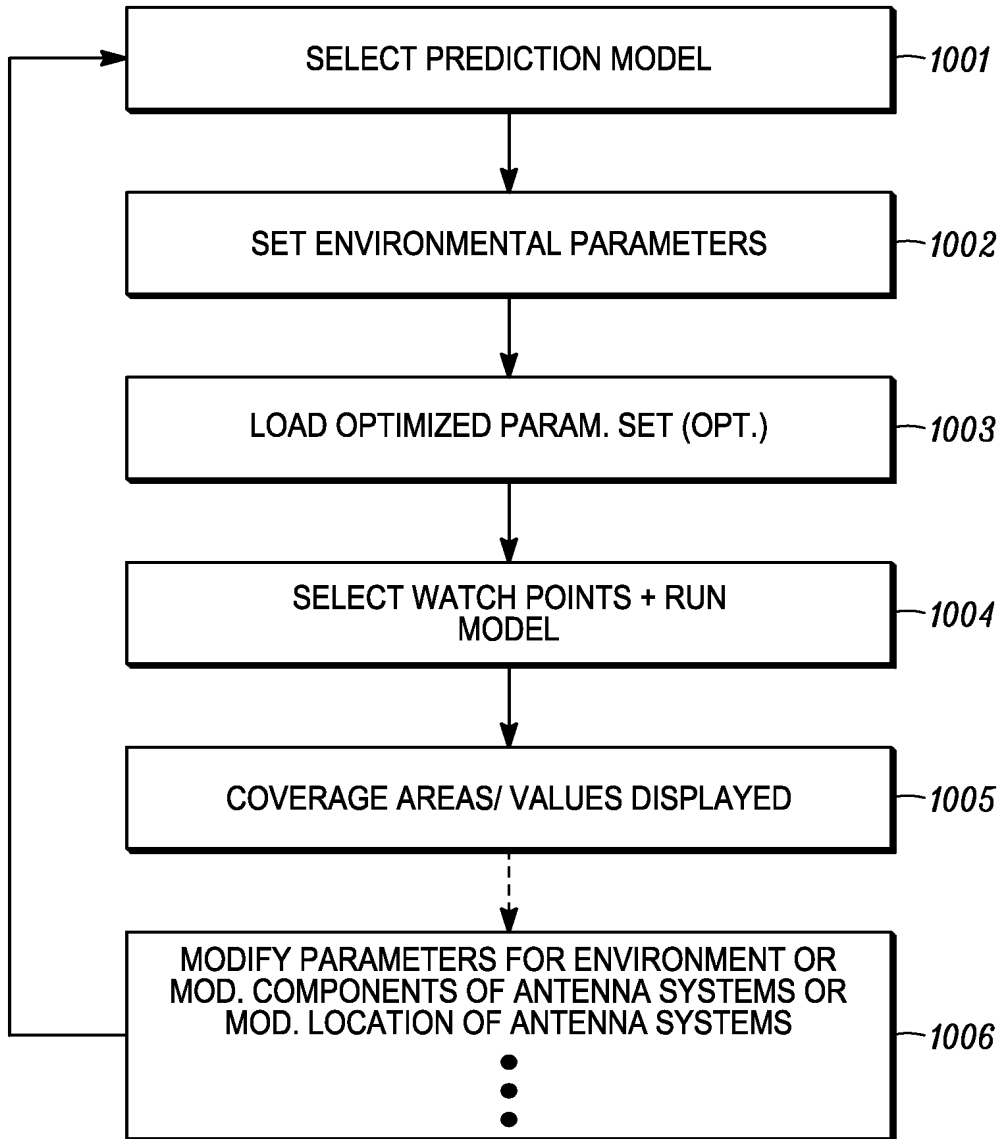


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**FIG. 9B**

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**FIG. 10**

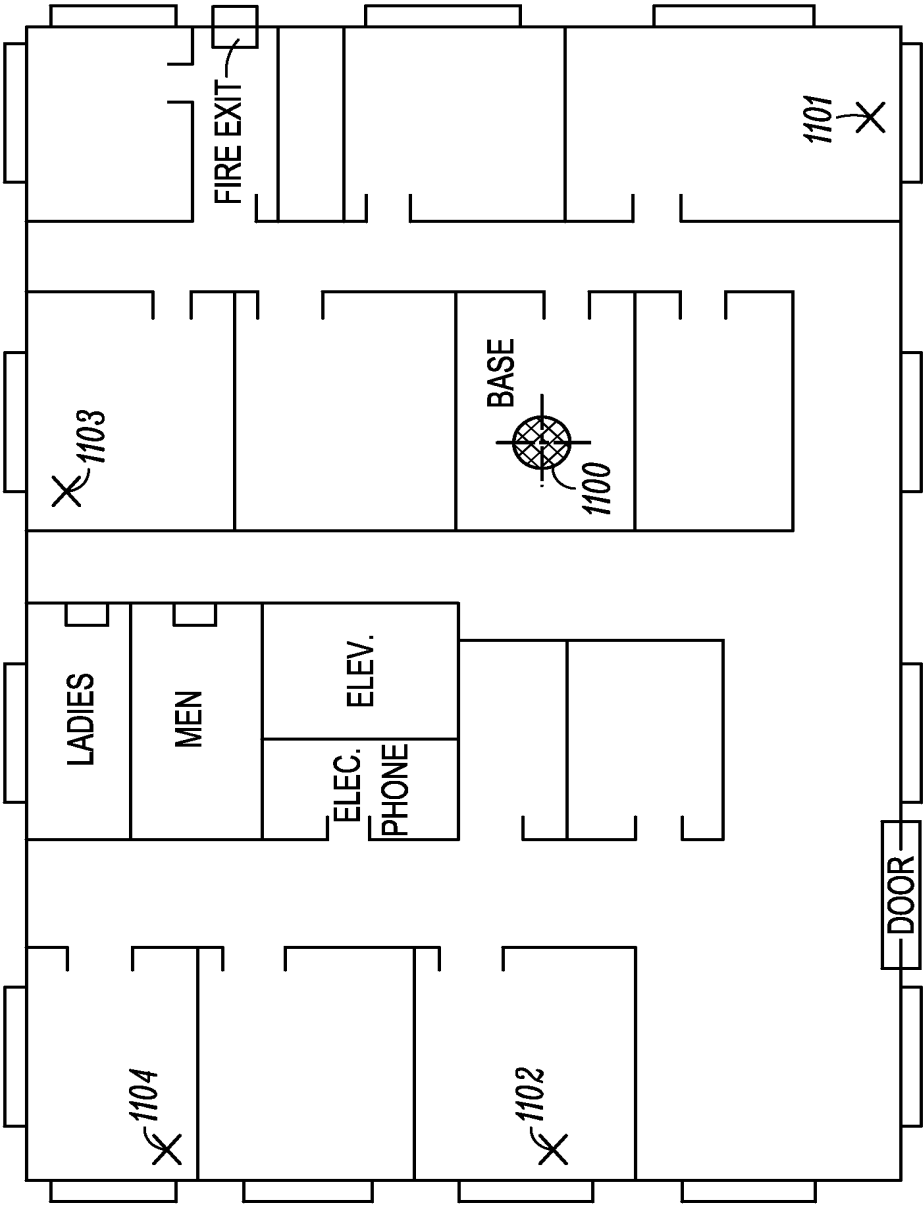


FIG. 11

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ANTENNA POSITION MODE PREDICTION CONTROL <span>✕</span>	
CDMA1 ALLEN TEL dB OMNI PCN 1850-1990 360 DEG 6.00 dB GAIN	
WATCH POINTS	
1 - FLOOR1, 67.71, 3.83, 1.80 2 - FLOOR1, 54.11, 25.25, 1.80 3 - FLOOR1, 33.67, 24.34, 1.80 4 - FLOOR1, 33.46, 8.05, 1.80	
ADD WATCH POINT	REMOVE WATCH POINT
FLOOR	1 <span>▼</span>
MOBILE RECEIVER PARAMETERS	
PREDICT —	
<input checked="" type="radio"/> RSSI <input type="radio"/> SIR <input type="radio"/> SNR	
ANTENNA POSITIONING OPTIONS —	
<input checked="" type="radio"/> LEFT CLICK ON LOCATION <input type="radio"/> TRACK MOUSE MOVEMENT	
OK	CANCEL

**FIG. 12**

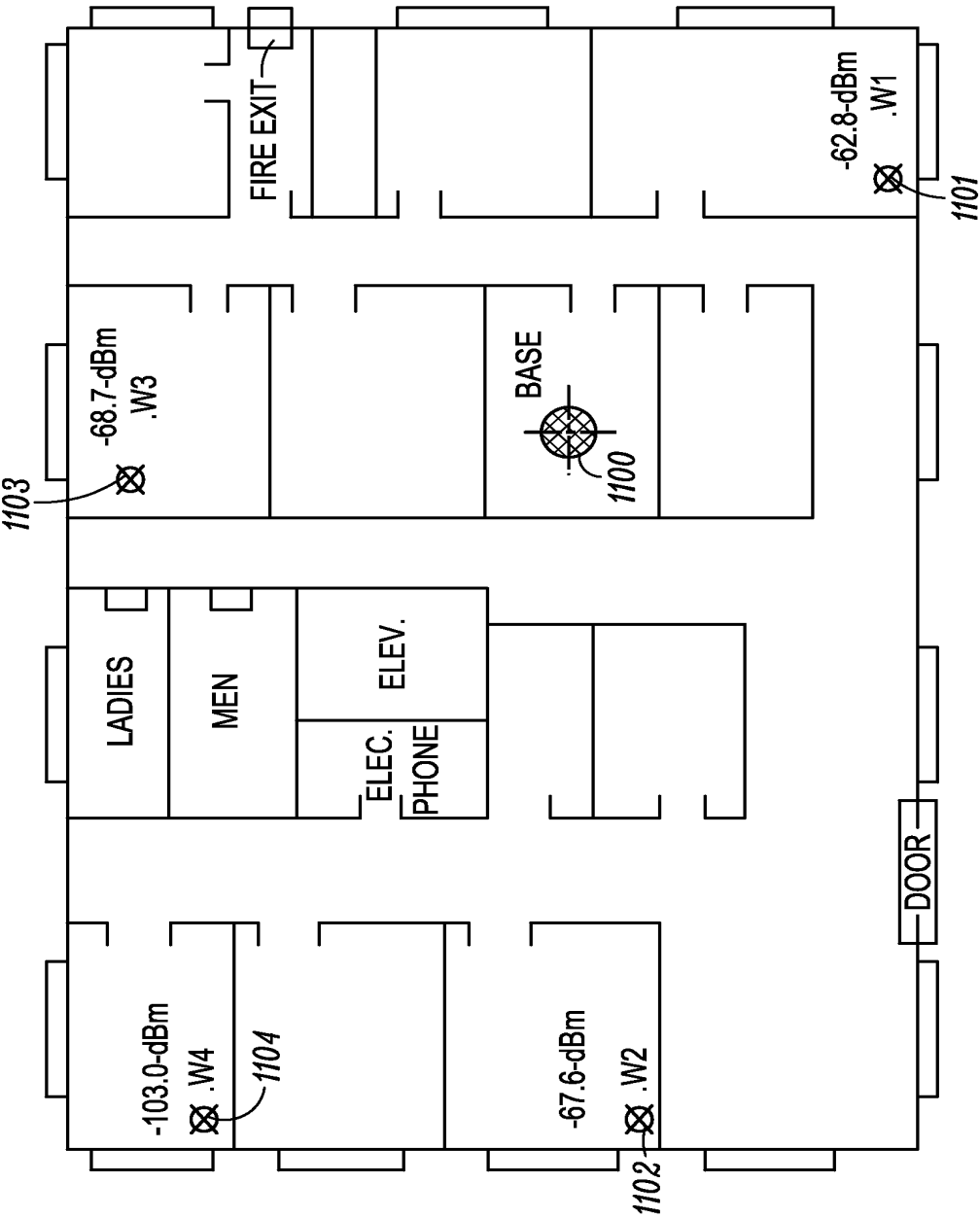


FIG. 13

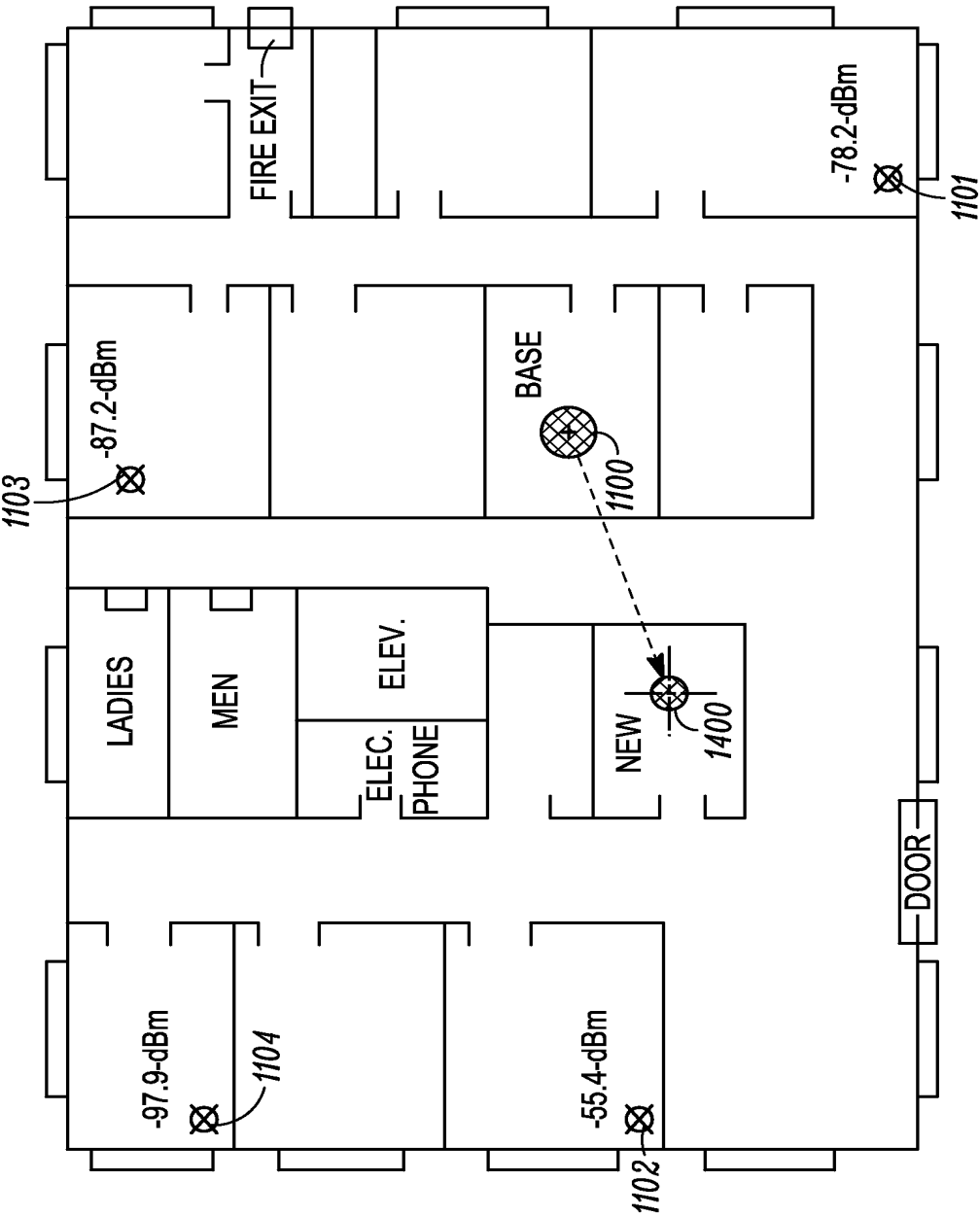


FIG. 14

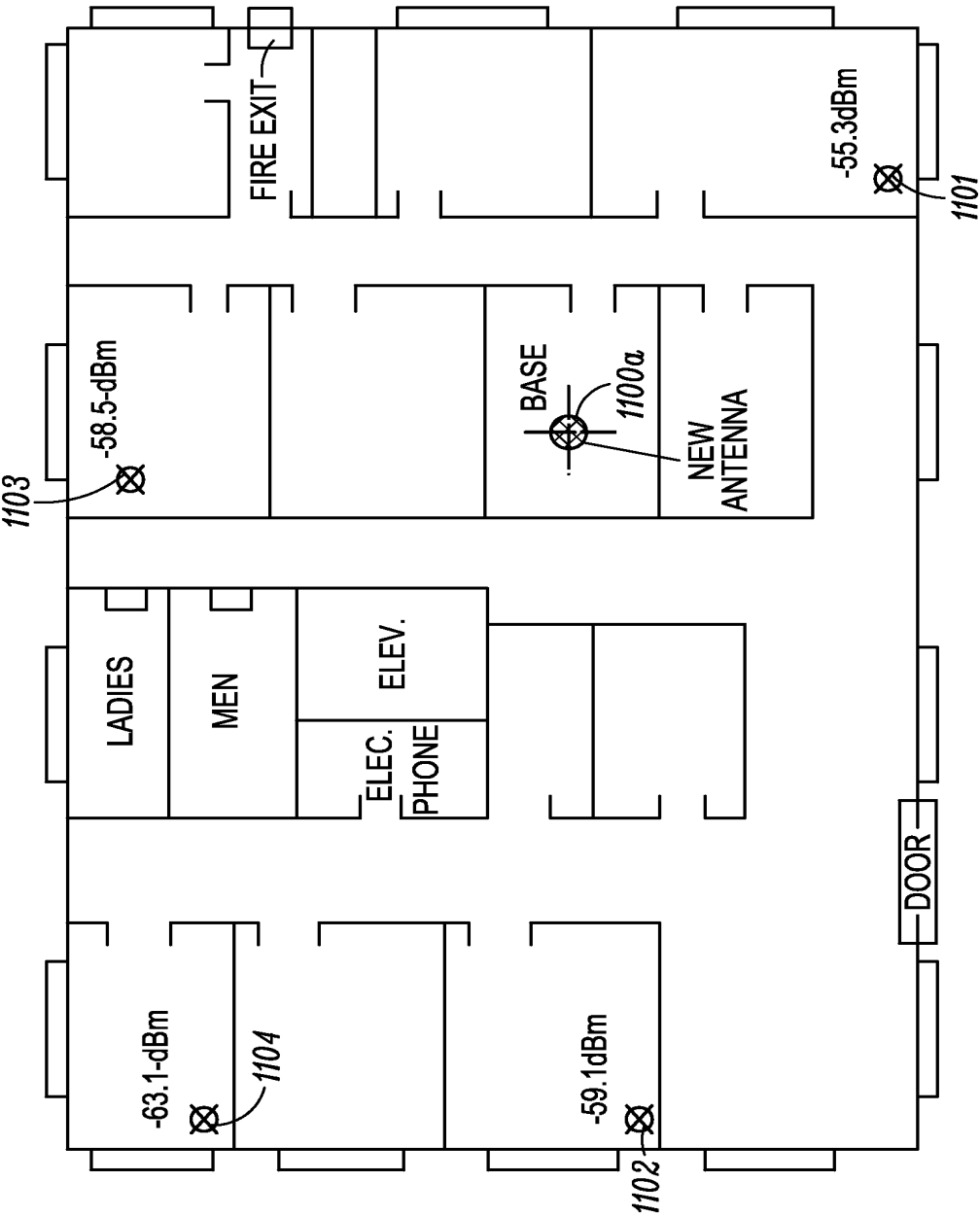


FIG. 15

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**BILL OF MATERIALS FOR CURRENT DRAWING**

**1610** {  
SUBTOTAL (EXCLUDING BASE STATION CDMA1): \$ 0.00  
BASE STATION: MACROCELL  
DESCRIPTION: CDMA MACROCELL  
FLOOR 1  
POSITION: 84.3, 44.0, 1.8  
CHANNEL SET: MACROCELL: IS-95A CDMA DEFAULT  
SUBCHANNEL SET: DEFAULT CHANNEL SET  
TXPOWER: 10.00 dBm  
RF BANDWIDTH: 1.25 MHz  
RECEIVER NOISE FIGURE: 0.00 dB  
CHANNELS ASSIGNED TO BASE STATION  
1

**1611** {  
-- NAME: ALLEN PCN PANEL 1710-1990 92 DEG 9.00 dB GAIN  
TYPE: ANTENNA\_POINT  
MANUFACTURER: ALLEN TELECOM  
PART NUMBER: DB972 1850  
FREQUENCY: 1710-1990 MHz  
PATTERN FILE: 972\_185.ant  
FLOOR 1  
POSITION: 84.3, 44.0, 1.8  
COST: \$0.00 **1612**

SUBTOTAL (EXCLUDING BASE STATION MACROCELL): \$0.00 **1613**  
TOTAL COST (EXCLUDING BASE STATIONS): \$0.00 **1614**

SAVE TO ASCII FILE OK

**FIG. 16**



1611

BILL OF MATERIALS FOR CURRENT DRAWING

TYPE: ANTENNA\_POINT  
MANUFACTURER: ALLEN TELECOM  
PART NUMBER: DB972 1850  
FREQUENCY: 1710-1990 MHz  
PATTERN FILE: 972\_185.ant  
FLOOR 1  
POSITION: 84.3, 44.0, 1.8  
COST: \$250.00

1612a

1720

-- NAME : 7/8", 50-ohm FOAM DIELECTRIC COAXIAL CABLE"  
TYPE: CABLE  
MANUFACTURER: ANDREW  
PART NUMBER: LDF5\*  
FREQUENCY: 2000 MHz  
LENGTH: 120.41 m (395.06ft)  
LOSS PER 100 m: 6.46 dB  
TOTAL LOSS: 7.78 dB  
POSITION:  
VERTEX0: 10.6, 0.8, 1.8  
VERTEX1: 1.7, 2.8, 1.8  
VERTEX2: 1.7, 31.0, 1.8  
VERTEX3: 35.3, 31.0, 1.8  
VERTEX4: 35.3, 23.5, 1.8  
VERTEX5: 65.4, 23.6, 1.8  
VERTEX6: 72.6, 32.0, 1.8  
COST: \$85.00 — 1721

1613a

SUBTOTAL (EXCLUDING BASE STATION MACROCELL): \$470.00

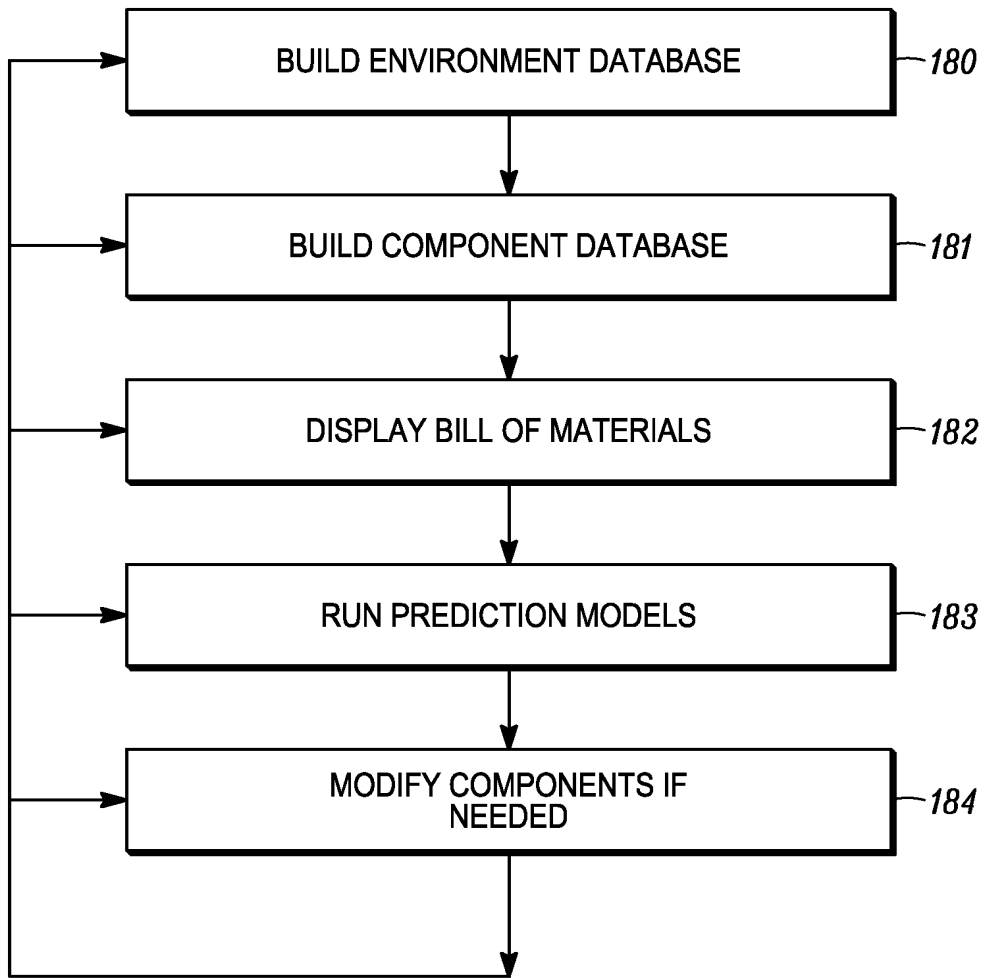
1614a

TOTAL COST (EXCLUDING BASE STATIONS): \$470.00

SAVE TO ASCII FILE

OK

FIG. 17



***FIG. 18***

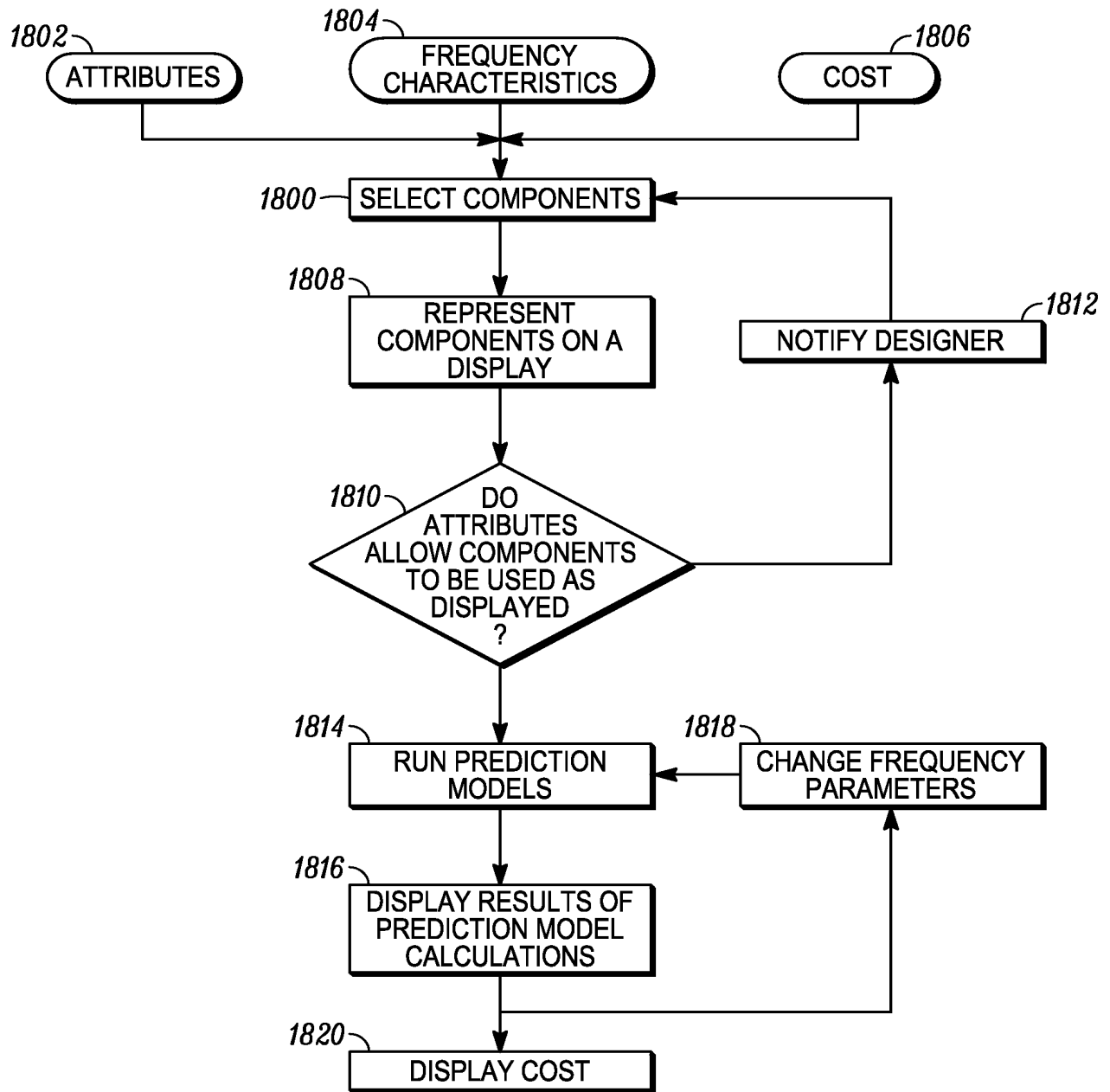


FIG. 19

The diagram shows a circuit with several components labeled with reference numerals. A horizontal line represents a common rail or ground. Component 1002 is a vertical line with a terminal at the bottom. Component 1003 is a horizontal line with a terminal at the left. Component 1004 is a horizontal line with a terminal at the right. Component 1005 is a horizontal line with a terminal at the right. Component 1006 is a horizontal line with a terminal at the right. The components are connected to the common rail through various terminals and lines.

*FIG. 21*